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(54) Title: DENDRIMERS AS MOLECULAR TRANSLOCATORS

(57) Abstract: Transport molecules include a dendrimer and a biologically active molecule. The dendrimer of such transport molecules includes at least one guanidine group, at least one protonated guanidine group, at least one protected guanidine group, at least one amidine group, at least one protonated amidine group, at least one protected amidine group, at least one ureido group, at least one protonated ureido group, at least one protected ureido group, at least one thiorueido group, at least one protonated thioureido group, or at least one protected thioureido group. The biologically active molecule is bonded to the dendrimer. A method of increasing the bioavailability of a drug includes bonding the drug to a dendrimer of the invention.

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B. FIELDS SEARCHED

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U.S. : 424/78.17, 78.27; 524/001

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, CAS Online

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | US 6,177,414 A (TOMALIA et al) 23 January 2001 (23.01.2001), see entire document. | 1-12 |
| A | US 6,190,650 A (MATTHEWS et al) 20 February 2001 (20.02.2001), see entire document. | 1-12 |
| A | US 6,306,993 A (ROTHBARD et al) 23 October 2001 (23.10.2001), see entire document. | 1-12 |

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